

**IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE**

**Declaration and Power of Attorney**

As one of the below named inventors, I hereby declare that my residence, post office address and citizenship are as stated below next to my name; that I believe that I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**TRANSCONDUCTANCE AND CURRENT MODULATION  
FOR RESONANT FREQUENCY CONTROL AND SELECTION**

described and claimed in the attached specification and with a claim of priority to United States provisional application Serial No. 60/555,193 filed on March 22, 2004; that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by an amendment, if any, specifically referred to in this oath or declaration; that I do not know and do not believe that the same was ever known or used in the United States of America before our invention thereof, or patented or described in any printed publication in any country before our invention thereof or more than one year prior to this application; that the same was not in public use or on sale in the United States of America more than one year prior to this application; that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months prior to this application; that I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application in accordance with Section 1.56(a) of Title 37, Code of Federal Regulations; and that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint as our attorneys **Nancy R. Gamburd (Reg. No. 38,147)** and the other attorneys of **USPTO Customer No. 34,756**, with full power of substitution and revocation, to prosecute said application, to make alterations

and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith.

It is requested that all telephone calls should be made to Nancy R. Gamburd, at:

Telephone No.: 312-627-2193

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and that all written communications are to be addressed to:

Nancy R. Gamburd  
~~Dykema Gossert Rooks Pitts PLLC~~  
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or to such other address, telephone and fax as may be designated by Nancy R. Gamburd.

**Michael Shannon McCorquodale, Ph.D:**

Inventor's  
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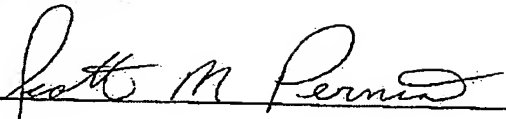
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